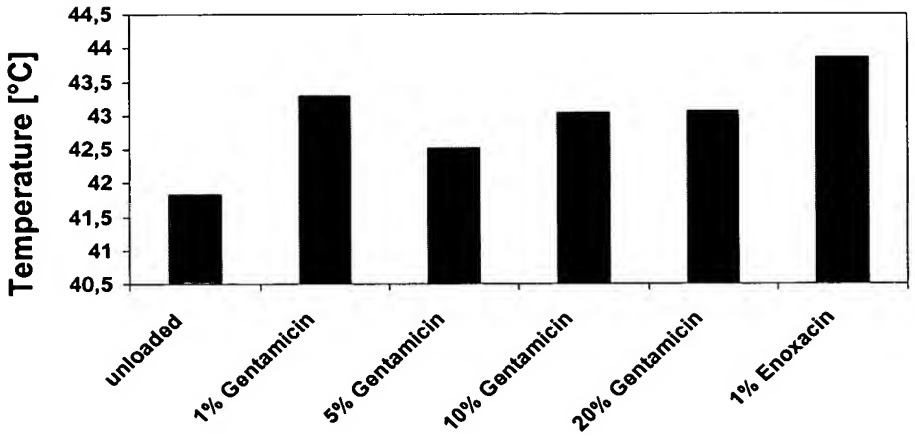
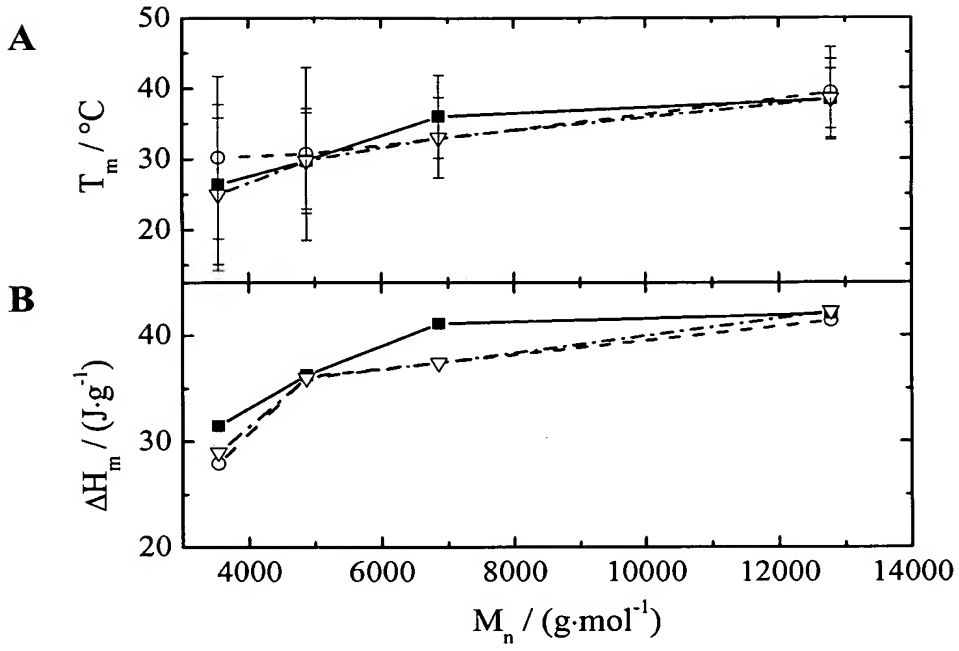
Figures



Figur 1: melting temperature of a thermoplastic multiblock copolymer of paradioxanone / caprolactone loaded with different drugs

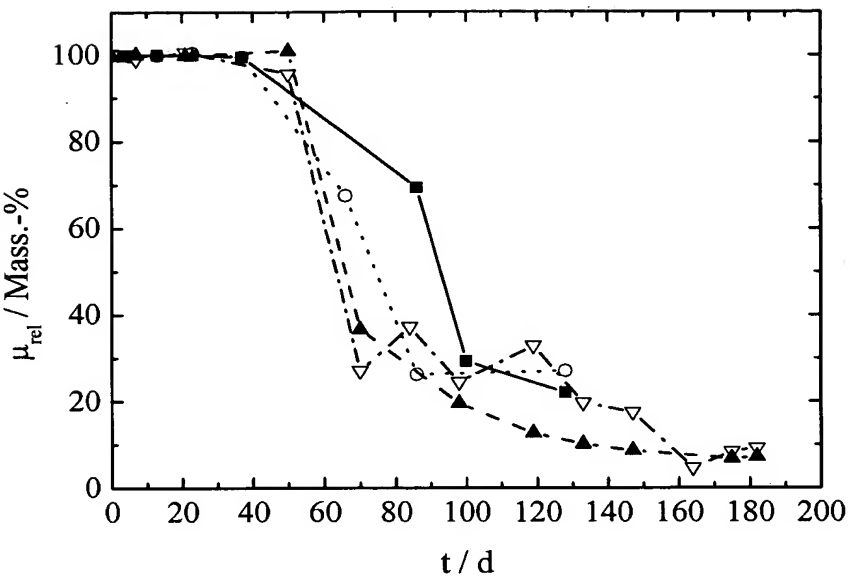


Figur 2 Thermal properties of N-CG networks with varying segment length with and without loaded Ethacridinlactate. The bar represents the breadth of the thermal transition.

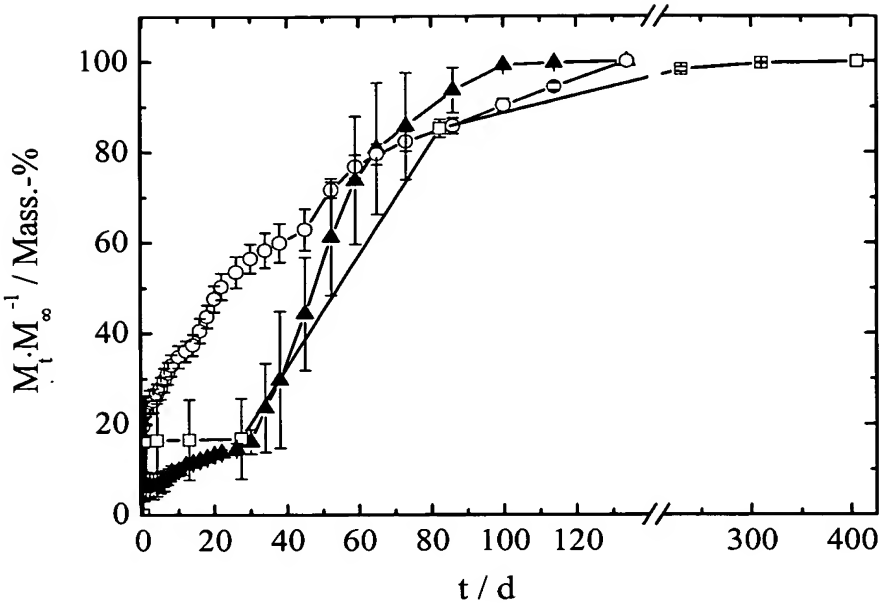
■ N-CG(14);

▼ N-CG(14)-Ethacridin; loading with drug by swelling

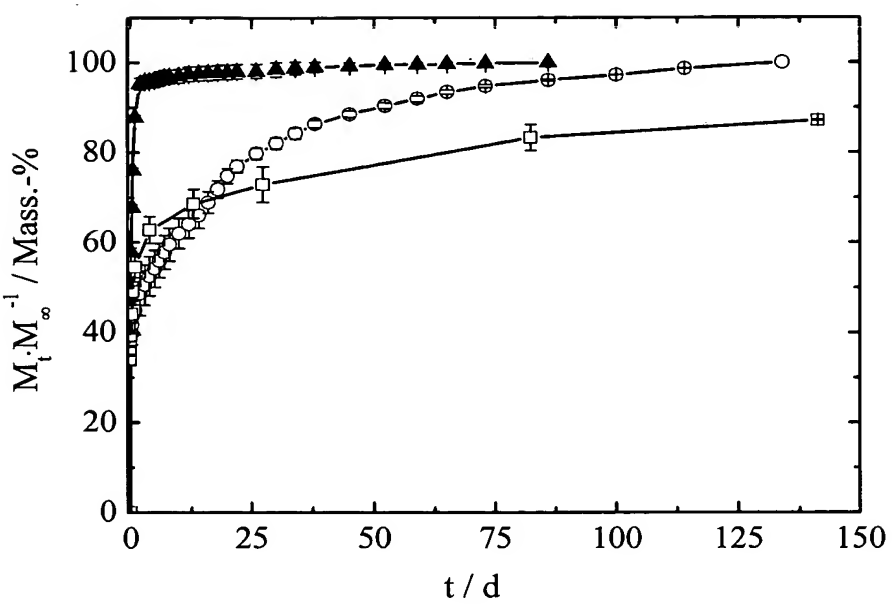
○ N-CG(14)-Etha(1)Dsp ; loading with drug by dispersion with prepolymer



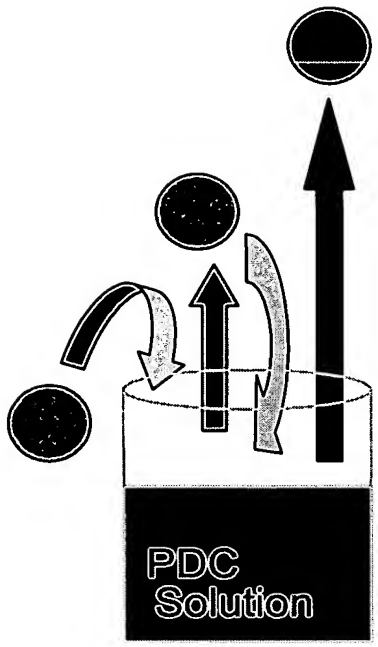
Figur 3: Relative mass loss of the drug containing amorphous networks N-LG(18)-10 at 37 °C in a solution with phosphate buffer (pH 7,0).
■ N-LG(18)-10
▼ N-LG(18)-10-Enoxacin
▲ N-LG(18)-10-Nitrofurantoin
○ N-LG(18)-10-Ethacridin



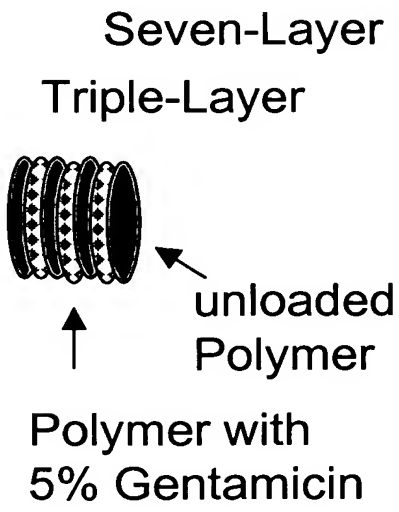
Figur 4: Drug release from amorphous networks N-LG(18)-10 at 37 °C in a solution of a phosphate buffer (pH 7,0). The surface releasing the drug amounts to 2 cm^2 and the thickness of the matrix is 0,2 mm.
$M_t * M_\infty^{-1}$ Mass ratio of drug released from the network
Ethacridinlactat (○)
Nitrofurantoin (▲)
Enoxacin (□)



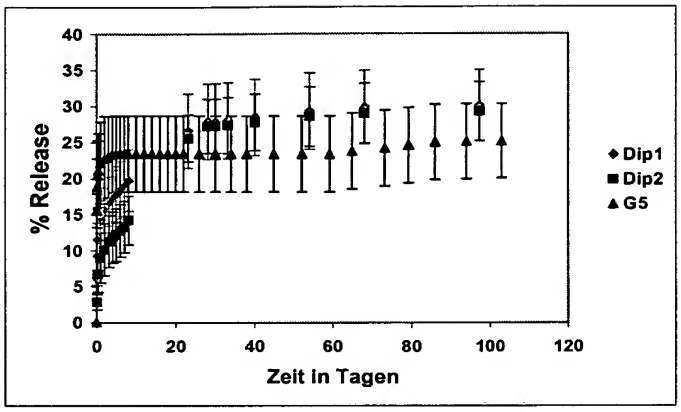
Figur 5: Drug release from crystalline networks N-CG(14)-10 at 37 °C in a solution containing a phosphate buffer (pH 7,0). The surface releasing the drug amounts to 2 cm^2 and the thickness of the matrix is 0,45 mm.
Mass ratio $M_t * M_\infty^{-1}$ of drug released from the network
Ethacridinlactat (○)
Nitrofurantoin (▲)
Enoxacin (□)



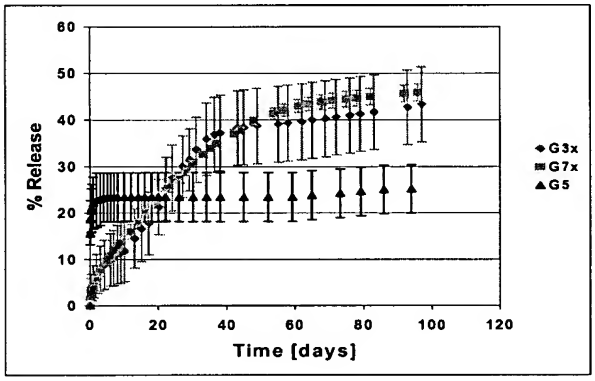
Figur 6: Method of Dip-Coating for modifying drug release systems



Figur 7: structure of layer systems



Figur 8: Modification of Gentamicin release by Dip Coating (G5 =5 wt.% Gentamicin) from paradioxanone/ caprolactone multiblock copolymer.
Dip 1 dipped once into polymer solution
Dip 2 dipped twice into polymer solution



Figur 9: Modification of Gentamicin release from paradioxanone/ caprolactone multiblock copolymer due to the preparation of layer systems (G5 = 5 wt.% Gentamicin)
G3x 3-Layer with 5 wt.% Gentamicin in the sandwiched film
G7x 7-Layer with three 5 wt.% Gentamicin containing films sanwiched each bewteen pure polymer films

Fig 10